

WILLOMITZER, J.

"Rare Poultry Parasites." p. 1310 (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 3, No. 11,  
Nov. 1953) Praha, Czechoslovakia

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4,  
April 1954. Unclassified.

CZECHOSLOVAKIA/Diseases of Farm Animals - Diseases Caused by  
Helminths.

R-3

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50239

Author : Willomitzer, J.

Inst : -

Title : The Diagnosis of Notocotylasis in Ducks.

Orig Pub : Veterinarstvi, 1957, 7, No 9, 268-269

Abstract : A report is given of a notocotylasis infection in ducks  
(causative agent is Notocotylus attenuatus). Out of 580  
ducks 10 died. In the perished ducks, cachexia, enteri-  
tis, and degeneration of parenchymatous organs were noted.  
A morphological description of the parasite is given.

Card 1/1

COUNTRY : CZECHOSLOVAKIA G  
CATEGORY : Zooparasitology. Parasitic Protozoa. Flagellata  
ABS. JOUR. : RZhBiol., No. 2 1959, No. 5677  
AUTHOR : Willomitzer, J.  
INST. : -  
TITLE : Morphological Studies of Trichomonas suis  
ORIG. PUB. : Veterinarstvi, 1958, 8, No 5, 167-168  
ABSTRACT : No abstract

CARD: 1/1

4

WILLOMITZER, J., dr., C.Sc.; LEBDUSKA, J., prof., dr., Dr.Sc.

Treatment of poultry capillariasis by Methyridin and other drugs. Vestnik vyzk zemedel 9 no.10:471-473 '62.

1. Vyzkumny ustav veterinarniho lekarstvi, Brno.

7

CZECHOSLOVAKIA

WILLOMITZER, J., DVM, Cand of Scien; LEBDUSKA, J., Prof. DVM,  
Dr. of Scien.

Brno (for both)

Prague, Veterinarstvi, No 6, 1963, pp 257-259

"Influence of Invasion of Capillaria caudinflata on the  
Weight of Hens."

WILLOMITZER, Jindrich, MVDr. CSc.

Effect of Czechoslovak anticestodiasis preparations on hen  
egg laying. Vest ust zemedel 11 no. 7:262-264 J1 '64.

1. Research Institute of Veterinary Medicine, Brno.

WILLOMITZER, Jindrich, MVDr. CSc.; LEBDUSKA, Jaroslav, prof. MVDr. DrSc.

Experiences in the treatment of poultry capillariosis by methyridine.  
Veter medicina 8 no.4:245-248 '63.

1. Research Institute of Veterinary Medicine, Brno. Director of the  
Institute [doc. MVDr. inz.] Jan Vlcek.

WILLOMITZER, Jindrich, MVDr. CSC.

Tests of a more suitable method of organic tir compound application  
in poultry infection by *Davainea proglottina*. Veter medicina 8 no.4:  
249-256 '63.

1. Research Institute of Veterinary Medicine, Brno. Director  
of the Institute [doc. MVDr. inz.] Jan Vlcek.



MELICHAR, Bohuslav, doc. dr. PhMr.; WILLOMITZER, Jindrich, MVDr. CSc.

Effect of aerosols of nontoxic physical insecticides on poultry ectoparasites. Veter medicina 8 no.4:275-284 '63.

1. Research Institute of Veterinary Medicine, Brno. Director of the Institute [doc. MVDr. inz.] Jan Vlcek.

CZECHOSLOVAKIA

WILLIOMITZER, Jindrich, MVDr, CSc

Brno

Brno, Veterinarstvi, No 3 [March] 1967, pp 116-117

"On therapy and chromoprophylaxis of some paratosis in scratching fowl."

MELICHAR, Bohuslav, Docent, Dr, Magister of Pharmacy, and VILLO-  
MITZER, Jindrich, Dr of Veterinary Medicine, Candidate of Sciences,  
Research Institute of Veterinary Medicine (Vyzkumny ustav veteri-  
narniho lekarstvi), Brno, Docent Engr Jan VLCEK, Dr of Veterinary  
Medicine, director.

"Effect of the Aerosols of Nontoxic Physical Insecticides on the  
Ectoparasites of Fowl."

Prague, Veterinarni Medicina, Vol 8(XXXVI), No 4, August 63,  
pp 275-284.

Abstract [Authors' English summary, modified]: Determined were  
the physical and chemical parameters of ten substances of the  
following types:  $\text{SiO}_2$  aerogels, silicates, adsorption carbon, and  
fly ashes. A method was established for determining the effect  
of physical insecticides on *Dermanyssus gallinae* and *Musca dom*.  
The correlation was determined between the size of the surface of  
the  $\text{SiO}_2$  substances and silicates and their effect on *Dermanyssus*  
in vitro. The nontoxicity of three  $\text{SiO}_2$  aerogels in chickens is  
reported as well as their positive effect on *Dermanyssus gallinae*  
and *Menopon gallinae* in hens. Further experiments are announced  
on the evolution cycles and techniques of application. Twenty  
references, including 8 Czech and 1 Russian.  
1/1

CZECHOSLOVAKIA

WILLOMITZER, Jindrich, Dr of Veterinary Medicine, Candidate of Sciences, Research Institute of Veterinary Medicine (Vyzkumny ustav veterinarniho lekarstvi), Brno, Docent Engr Jan VLCEK, Dr of Veterinary Medicine, director.

"Trials With a More Suitable Way of Applying the Organic Tin Compound in the Davaineosis of Poultry."

Prague, Veterinarni Medicina, Vol 8(LXXVI), No 4, August 63, pp 249-256.

Abstract [Author's English summary, modified]: The trials have corroborated a relatively good effectiveness of the stable Din-n-butyl tin dilaurate preparations made in Czechoslovakia. Data are given on experiments with Davainex 10 and Davainex 25. A comparison of the two preparations showed that an application of Davainex 10 in doses substantially lower than Davainex 25 produced only a slightly lower effect. Experiments are under way to determine the effect of Davainex 10 on the output of eggs of animals under treatment. Four references, including 1 Czech.

1/1

WILLOMITZER, Jindrich, Dr of Veterinary Medicine, Candidate of Sciences, and LEBDUSKA, Jaroslav, Prof., Dr of Veterinary Medicine, Dr of Sciences, Research Institute of Veterinary Medicine (Vyzkumny ustav veterinarni mediciny) Brno, Czech Republic.

WILMANSKA, A.; BASINSKI, A.

"Influence of Electrolytes on the Adsorption of Sulfurous Acid by Potato Starch." P. 82. (PRZEMISL CHEMICZNY, Vol. 10, No. 2, Feb. 1954, Warszawa, Poland)

SO; Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

WILMANSKI, Bernard

Studies on the influence of the balloon control ring upon the stressing of the cotton yarn spun on cotton frames. Przegl wlokien 16 no.2:73-79 F '62.

1. Centralne Biuro Techniczne Przemyslu Maszyn Wlokienniczych,  
Lodz.

WILMANSKA, Alicja

POLON

Classical analytical system compared with the Mendeleev periodic system. Maria Czakis and Alicja Wilmanska. (Kopernik Univ., Torun, Poland). *Wiedomosci Chem.* 9, 101-9(1955).—A review with 9 references. A. S.

A 82

SCHWANN, Jadwiga; WILMANska, Jadwiga; WINIARSKI, Wacław

Erythroderma and other cutaneous complications in gold therapy.  
Przegl. derm. 48 no.4:341-348 JI-Ag '61.

1. Z Kliniki Dermatologicznej PAM w Szczecinie Kierownik: doc. dr  
H. Prochacki. Z Kliniki Chorob Wewnętrznych PAM w Szczecinie Kierownik:  
prof. dr F. Bolechowski.

(GOLD toxicol) (ERYTHRODERMA etiol)  
(DERMATITIS MEDICAMENTOSA)



WILMANska, Jadwiga

Studies on chemical properties of trichophytin. Roczn. pom.  
akad. med. Swierczewski 11:525-533 '65.

1. Z Kliniki Dermatologicznej Pomorskiej Akademii Medycznej  
(Kierownik: prof. dr. med. Henryk Prochacki).

WILMANSKI, Krzysztof

Dynamic loads of beams; the Timoshenko beam. Mechan teor stosow 2  
no.2:83-96 '64.

1. Lodz Technical University. Submitted March 5, 1964.

44925

P/006/62/010/004/003/004  
D237/D308

16.7208

AUTHOR:

Wilmanski Krzysztof

TITLE:

Elastic-plastic stresses in a ring, due to a temperature field

PERIODICAL:

Rozprawy Inzynierskie, v. 10, no. 4, 1962, 713-729

TEXT:

The author discusses the elastic-plastic state of stress in a ring under a steady state radial temperature field. Saint-Venant model is assumed. Using Treska yield condition the author shows that one or two plastic regions may appear depending on the magnitude of the coefficient  $E\alpha_T |\Delta T| / \sigma_s$ , where  $E$  - Young's modulus;

$\alpha_T$  - coeff. of thermal expansion;  $\Delta T = T_a - T_b$ ;  $a$  and  $b$  - inner and outer radius of the ring;  $\sigma_s$  - yield point. The inner plastic zone between  $r = a$ ,  $r = \xi$  always appears first, irrespective of the sign of  $\Delta T$ . The outer plastic zone is bounded, when it appears, by  $r = \eta$ ,  $r = b$ . Expressions for radial and tangential stresses and the condition for the appearance of the outer plastic zone in terms of  $\xi$  are

Card 1/2

Elastic-plastic stresses ...

P/006/62/010/004/003/004  
D237/D308

found. Stresses in the ring in the presence of plastic zones and formulas for  $\xi$  and  $\eta$  are given in terms of Bessel functions and are shown to be reducible to the relations given by J.C. Wilhoit, Jr. The results obtained may be considered to be sufficiently accurate for temperatures up to 350°C, while for higher temperatures they may be regarded as first approximations to exact solutions. Comparison is made with the results of J.C. Wilhoit, Jr. There are 7 figures. ✓

ASSOCIATION: Politechnika Łódzka (Łódź Polytechnic)

SUBMITTED: April 9, 1962

Card 2/2

WIENE, Z.L.

Dr. Bela Wald (1904-1960). Magy. radiol 12 no.2:65-68 J. '60.  
(OBITUARIES)

WILNIEWCZYC.

**PLEASE 1 BOOK INFORMATION**

POL/352

From *Mathematics*, Series I, II, 2 (Mathematical Transactions, Series I, vol. III) 2  
Warman, Madison Wis no numbers, 1958. 195 p. Extra slip inserted.  
1,000 copies printed.

Maternal Board: Vladimir Orlov (Chief Bd.), Stepan Drobov (Deputy Chief Bd.), Adam Kleckl, Stanislaw Bartan, Jan Klemenski, Roman Biloraki, Marcell Grant, Tama Krasnolovici, Krystof Bartelovici, and Vladimir Wrona.

**PURPOSE:** This book is intended for mathematics

**CONTENTS:** The Contents is articles dealing with algebra, the theory of gases, combinatorics, geometry, and two general mathematical topics. Periodicals appear in Russian and English. No periodicals are excised. References accompany individual articles. On the last page there is

On the Basic Theorems in  
 the Theory of the  
 Generalized Functions, 5. (Varnav).  
 On the Basic Theorems in  
 the Theory of the  
 Generalized Functions, 5. (Varnav).

WILKINSON, R. (WROCLAW). The Geometry of a Group of Affine

Krumdohd, H. (Wroclaw). The Differential Invariants of the

CHINE IN A SYMPLECTIC SPACE  
MORITA, E. (Yokohama). On the topology

**Closed Subjects**  
Noteworthy: A. Włodzimierz (Warsaw) - The Direct Bases of Cyclic

4

convergence multipliers to the sequences identifiable by the

Weyl, H. (Wrocław). On the Solutions of the Differential

Equation 2(b)  $\alpha(c) \tau = 0$  Summarizing the conditions at General Points

**Author:** V. Or Tzvi Zuharsky

### Polynomials to the Proof of a Certain Theorem on Mixed Partial Derivatives

Włodzisław, J. (Poznań). On Some Inequalities  
 Connected with the Generalization of the  
 Cauchy-Schwarz Inequality

AVAILABLE: Library of Congress

Case 3/3

MC/6200/1.27  
10/19/60

10/19/60

①

WILONSKI, Slawomir

Is the air transport safety in western countries in danger?  
Letecky obzor 6 no.7:216-217 '62.

WILONSKI, Slawomir

Safety in aeronautics. Ochrona pracy 17 no.2:31-33 '62.



WILSKA, Maria, mgr inz.

Design and application possibilities of multifunction pneumatic  
relays. Pomiar 8 no.12:554-558 D '62.

POLAND / General Division, Problems of Teaching

A-8

Abs Jour: Ref Zhur-Biologiya, No 5, 1958, 18955

Author : Wilska Z.

Inst : —

Title : The Plan of Work of a Circle of Amateur Fish Breeders  
in Aquariums

Orig Pub: Biol. szkole, 1957, 10, No 2, 107-109

Abstract: No abstract

Card 1/1

WILSKA-JESZKA, J.

The chemistry and physiological properties of flavonoids. p. 289.

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne) Wroclaw, Poland.  
Vol. 13, no. 6, June 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

POLAND

WILSKA-JESZKA, Jadwiga

Department of Nutritives and Vitamin Concentrate Technology,  
Lodz Polytechnic (Katedra Technologii Odzywek i Koncentratow Wita-  
minowych Politechniki Lodzkiej)

Wroclaw, Wiadomosci chemiczne, No 1, January 1966, pp 72-72

"Characteristics of flavonic compounds occurring in the Sorbus  
acuparia L. fruits." (doctoral thesis)

Wilski, A.

5.11-196 551.586:595.7  
Wilski, A. Wpływ czynników klimatycznych na występowanie owadów—szkodników  
roślin. [Influence of climatic factors upon the appearance of gadflies—plant pests.] *Gazeta  
Ostrzeżenia PIII*, Warsaw, 4(8):8-10, Aug. 1951. DLC—Although it is widely known that  
climatic conditions have a far reaching influence on the appearance of gadflies, information  
concerning the interdependency between these two phenomena is meager. The author  
presents an analysis of the four most important climatic factors affecting in a greater or lesser  
degree the growth and development of these plant pests, namely: temperature, humidity,  
wind and light. *Subject Headings:* 1. Insect ecology 2. Bioclimatology.—A.M.P.

*Wpływ*

WISKI, A.

"Influence of climatic factors on the growth of insects." p. 13. (Gazeta  
Obserwatora. Vol. 5, no. 10, October 1952. Warszawa.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,  
February 1954, Uncl.

WIŁSKI, A.

"Some processes in insects' bodies in low temperature." p. 6 (Gazeta Obserwatora,  
Vol. 6, No. 3, March 1953. Warszawa.)

SO : Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress,  
February 1954, Uncl. ....

Country : POLAND  
 CATEGORY : Zooparasitology. Parasitic Worms. Plant  
 Helminths  
 ABS. JOUR. : RZBiol., No. 1959, No. 10304  
 AUTHOR : Wilski Andrzej  
 INSE.  
 TITLE : Research on the Control of the Beet Nematode by  
 Chemical Means  
 ORIG. PUB. : Roczn. nauk rolniczych, 1957, A 75, No 4, 645-666  
 ABSTRACT : In small bowls and under field conditions  
 experiments were performed on the testing of  
 dinitroorthocresol (I) (41 and 50% of the active  
 principle), intox (chlordan), dichlorethane,  
 forbiate, chlorphenol, wofatox and systox for  
 the purpose of disinfecting the soil and plants  
 with respect to the beet nematode. I was tested  
 in doses of 7.2-80 kilograms/hectare; it was  
 introduced into the soil in an aqueous solution  
 1 to 4 days before seeding the beets. The  
 efficacy of I (reduction in the number of female

CARD:

1/3



COUNTRY :  
CATEGORY :

ABS. JOUR. : RZBiol., No. 1959, No. 10304

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : nematodes on the roots) did not exceed 80%.  
Chlorphenol in a dose of 5 liters per square  
centimeter in a 1 to 5% solution and 25 liters  
of a 1% solution did not give satisfactory results  
either. In addition, the use of solutions was  
practically impossible because of the large  
quantities of water required. Dichlorethane  
(5-20 tons/hectare) did not cause any reduction  
in the number of nematodes, but an increase in  
the beet yield was observed. Forbiate (0.5-2  
tons/hectare) did not exert any toxic effect on  
2/3

CARD:

Country :  
CATEGORY :

ABS. JOUR. : RZBiol., No. 1959, No. 10304

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : the nematode under field conditions compared with the flower pots, which is explained by the poorer mixing of the preparation with the soil in the field. In doses of 600-1200 cubic centimeters/hectare intox did not give any satisfactory results; the same thing was observed with wofatox (100-500 kilograms/hectare) and sprinkling with a 1% systox solution. Of all the preparations tested forbiate has the least number of harmful properties. Bibliography 54 titles. --  
N. M. Sveshnikova

CARD: 3/3

89185  
P/005/60/000/052/002/003  
A076/A026

26.2182

AUTHOR: Wilski, Artur, Master of Engineering

TITLE: Lubricating Technique Today

PERIODICAL: Przegląd Techniczny, 1960, No. 52, p. 5

TEXT: The author describes in general properties of lubricants used in rockets, inter-continental missiles, jet aircraft and engines operating at high temperature. The surface of a super-sonic aircraft during flight heats up to 130 - 530°C presenting a lubricating problem. New types of lubricant are needed. The most important lubricants are based on various types of silicones. Silicon lubricants have the best lubricating properties, e.g. low steam tension, resistance to high temperature, good viscosity, indifferent to changes in temperature, they do not corrode and may be used as shock and heat absorbing liquid. A higher class of lubricant used in aircraft are the so-called esters of aromatic acid. Practical application of phenylbicarboxyl acid esters gave good results, as this type of lubricant is not affected by hydrolysis, has low steam tension and does not yield to pyrolyses at 320°C. This type of lubricant has a temperature range of from minus 130 to plus 650°C. ✓

Card 1/1

WILSKI, Artur, mgr., inz.

Problems connected with air pollution in industrial districts.  
Przeegl techn 81 no.7:12-14 '60.

WILSKI, Artur, mgr.inz.

Lubrication technology in the present. Przegl techn no.52:5  
28 D '60.

WILSKI, I.

"The Ductube method of installing electric cables in concrete."

p. 46 (Wiadomosci Elektrotechniczne) Vol. 18, no. 2, Feb. 1958  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

WIISKI, Ignacy, mgr inż.

The DUCTUBE method of laying electric cables in concrete. *Wiad elektrotechn* 18 no.2:46-49 F '58.

1. B.uro Projektow Budownictwa Morskiego, Warszawa.

WILSKI, Jerzy

Possibilities in the industrial and municipal building  
industries. Przegl techn no.31:3 3 ág '60.



WILSKI, Jerzy

Water management in Egypt. Przegl techn no.43:6-7 26 0 '60.

MARCZEWSKI, K., mgr inz. arch.; WILSKI, Juliusz, inz. arch.;  
WYPOREK, Bogdan, mgr inz. arch.

Organization and economics of the capital investment  
process. Przegl techn 85 no.31:4 2 Ag '64.

WILSON, C.

SCIENCE

Periodicals MAGYAR FIZIKAI FOLYOTRAT Vol. 6, no. 4, 1958

WILSON, C. On the ionization of atmospheric air. Tr. from the English.  
p. 401.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 5,  
May 1959, Unclass.

WILTNANSKA, A.

POL

001.183.9 : 511.163.24

Basilewski A., Wiltnanska A. Influence of Electrolytes on the Sorption of Sulphurous Acid by Potato Starch.

„Wplyw elektrolitów na sorpcję kwasu siarkowego przez mączkę ziemniaczaną”. Przemysł Chemiczny. No. 2, 1954, pp. 82-84, 3 figs., 5 tabs.

The influence was investigated of electrolytes,  $\text{NH}_4\text{Cl}$ ,  $\text{NaCl}$ ,  $\text{KCl}$ ,  $\text{LiCl}$ ,  $\text{SrCl}_2$ ,  $\text{CaCl}_2$ , and  $\text{MgCl}_2$ , on the sorption of sulphurous acid by potato starch in an aqueous solution. It was established that the presence of these electrolytes raises the sorption, the increase being contingent on the increased concentration. No distinct differences of action of individual ions in a 0.25 N electrolyte solution were observed. In a 0.5 N solution, the progressively decreasing influence of ions can be represented as follows:  $\text{Ca}^{++} > \text{Mg}^{++} > \text{Sr}^{++} > \text{Li}^{+} > \text{K}^{+} > \text{Na}^{+} > \text{NH}_4^{++}$ . In higher electrolyte concentration the influence of magnesium ions is stronger than that of calcium ions. Glycerin and alcohol raise the adsorption rate, and the influence of these substances increases with the degree of concentration.

①

Wiltner, W.

FISCHER, A.; WILTNER, W.

The significance of colloid tests in liver diseases. Orv. hetil.  
93 no. 45:1286-1289 9 Nov 1952. (CML 24:1)

1. Doctors. 2. Second Internal Clinic (Director -- Prof. Dr. Imre Haynal), Budapest Medical University.

NAGY, Z.; WILTNER, W.

Effect of isolated cerebral and isolated trunk hypoxia on minute volume. Acta physiol. hung. Suppl. no.6:55-56 1954.

1. III. Medizinische Klinik der Medizinischen Universität, Budapest.

(HEART

minute volume, eff. of exper. cerebral or trunk hypoxia)

(ANOXIA

cerebral or trunk hypoxia, eff. on minute volume)

WILTNER, Willibald

GOMORI, Pal; SZABO, Gyorgy; KOVACS, Aristid; NAGY, Zoltan; TAKACS, Lajos;  
WILTNER, Willibald

The role of hypoxia and hypercapnia in the neuroregulation of the renal circulation and diuresis. Magyar Belorv. arch. 7 no.5:129-145 Oct. 54.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinikájának (igazgató: Gomori Pal egyetemi tanár) I. sz. Belklinikájának (igazgató: Rusznyak Istvan egyetemi tanár) és Mlettani Intézetének (igazgató: Balint Peter egyetemi tanár) közleménye.

(CARBON DIOXIDE, in blood  
hypercapnia, eff. on renal circ. & diuresis in dogs)  
(ANOXIA, exper.  
eff. on renal circ. & diuresis in dogs)  
(KIDNEYS, blood supply  
circ., eff. of exper. anoxia & hypercapnia in dog)  
(DIURESIS  
eff. of exper. anoxia & hypercapnia in dogs)

WILTNER W.

FISCHER, Antal, dr.; WILTNER, Willibald, dr.

Study on carbohydrate metabolism in liver injury. Orv. hetil. 95  
no.36:982-985 5 Sept 54.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinikájának  
(igazgató: Gomori Pál dr. egyetemi tanár) közleménye.

(LIVER, dis.

carbohydrate metab. in)

(CARBOHYDRATES, metab.

in liver dis.)



WILTNER, W.

✓ 4633: Role of the spleen in the haemoconcentration occurring with histamine. K. Kállay and W. Wiltner: *Acta physiol. Acad. Sci. Hung.*, 1955, 8, 389-392 (3rd Dept. of Med., Med. Univ., Budapest, Hungary).—R.b.c. counts and haematocrit determinations were carried out in 15 splenectomised and 14 normal dogs before and after histamine injections causing shock. Haemoconcentration took place in both groups and is therefore not due to splenic contractions.

A. B. L. BEZNAK.

med

2

WILTNER, Willibald, dr.

Oral therapy of diabetes mellitus with sulfamide derivatives.  
Orv. hetil. 98 no.39:1081-1084 23 Sept 56.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinikájának  
(igazgató: Gomori, Pál, dr. egyet. tanár) közleménye.

(DIABETES MELLITUS, ther.

N-sulfanilyl-N'-butyl urea, indic. & mechanism of  
action (Hun))

(SULFONAMIDES, ther. use

N-sulfanilyl-N'-butyl urea, in diabetes mellitus, indic.  
& mechanism of action (Hun))

(UREA, related cpds.

N-sulfanilyl-N'-butyl urea ther. in diabetes mellitus,  
indic. & mechanism of action (Hun))

URAI, Laszlo, Dr.; NAGY, Zoltan, Dr.; SZINAY, Gyula, Dr.; WILFNER, Willibald, Dr.

Kidney examinations in scleroderma. Orv. hetil. 99 no.8-9:266-271 23 Feb  
- 2 Mar 58.

1. A Budapesti Orvostudományi Egyetem III. sz. Belklinikájának (igazgató:  
Gomori Pál dr. Egyet. tanár) közleménye.

(SCLERODERMA, physiol.

kidneys, physiopathol. (Hun))

(KIDNEYS, in various dis.

scleroderma, physiopathol. changes (Hun))

GOMORI, P.; KOVACH, A. G. B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.; NAGY, Z.;  
WILTNER, W.

Renal blood flow in arterial hypoxia. Acta med. hung. 16 no.1:  
37-42 '60.

1. 3rd Department of Medicine (Director: P. Gomori). Institute of  
Physiology (Director: P. Balint), and 1st Department of medicine  
(Director: I. Rusznyak), University Medical School, Budapest.  
(ANOXIA exper)  
(KIDNEYS blood supply)

GOMORI, P.; KOVACH, A.G.B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.; MAGY, Z.;  
WILTNER, W.

The control of renal circulation in hypoxia. Acta med.hung. 16  
no.1:43-60 '60..

1. 3rd Department of Medicine (Director: P.Gomori), Institute of  
Physiology (Director: P.Balint), and 1st Department of Medicine  
(Director: I.Rusznayak), University Medical School, Budapest.  
(ANOXIA exper)  
(KIDNEYS blood supply)

GOMORI, P.; KOVACH, A.G.B.; TAKACS, L.; FOLDI, M.; SZABO, Gy.; NAGY, Z.;  
WILTNER, W.; KALLAY, K.

The regulation of cardiac output in hypoxia. Acta med. hung. 16  
no.1:93-98 '60.

1. 3rd Department of Medicine (Director: P.Gomori), Institute of  
Physiology (Director: P.Balint), and 1st Department of Medicine  
(Director: I.Rusznayak), University Medical School, Budapest.  
(ANOXIA exper)  
(HEART physiol)

WILTMER, Willibald, dr.

Treatment of bronchial asthma in Kékestető. Orv hetil 101 no.23:  
814-816 5 Jé '60.

1. Kékestetői Állami Gyógyintézet, II. Belosztály.  
(ASTHMA ther.)

WILTOWSKI, F.

"Our Constitution" p. 177 (CEMENT, WAPNO, GIPS. Vol. 8, no. 9 Sept. 1952, Krakow, Poland)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.



WILTOWSKI, J.

WILTOWSKI, J. Experimental fisheries of the Polish Academy of Sciences. p. 1.  
Vol. 8, no. 11, Nov. 1956. GOSPODARKA RYBNA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

WILTOSINSKI, R.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 7/8, July/Aug. 1958

WILTOSINSKI, R. Information on the mensuration equipment for the chemical industry planned and constructed by the Silesian Polytechnic School at Gleiwitz. p. 3 of cover.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959,  
Unclass.

WILTSCHKO, Vilmos, okleveles hajomernok

Up-to-date manufacture of ship bodies. Jarmu mezo gep ll no.11:  
418-422 N '64.

~~WILUM, Z.~~

The geotectonic researches on the fundation of the Palace of Culture and  
Science in Warsaw. p. 237

Vol. 12, no. 7, July 1955  
INZYNIERIA I BUDOWNICTWO  
Warszawa

Source: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 2  
Feb. 1956

WILUN, Z.

WILUN, Z. Problems of soil mechanics as applied to surveying. p. 441.  
Vol. 12, no. 12, Dec. 1956. PRZEGŁAD GÓDZYZNY. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

WILUN, ZENON

Wyznaczanie dopuszczalnych obciazen gruntow

Warszawa, Poland, Arkady, 1958. 283 p.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959.  
Uncl.

WILJN, Zenon, prof. inż.

Model studies on the strength characteristics of soils. Inst  
tech budow inf no.12:37-39 '63.

1. Zaklad Mechaniki Gruntowli Fundamentowania, Instytut Techniki  
Budowlanej, Warszawa.

WILUN, Zenon, prof. inż.; BOLEŃSKI, Marian, mgr inż.

Subsoil studies with the ITB-ZW percussive rotary soil trial tool. Inst tech budow inf no.12:40-42 '63.

1. Zakład Mechaniki Gruntów i Fundamentowania, Instytut Techniki Budowlanej, Warszawa.



WILUN, Zenon, prof. dr inz.; KISIEL, Igor, prof, dr inz.; KWASNIEWSKI,  
Julian, mgr inz. HÜCKEL, Stanislaw, prof. dr inz.

Discussions on papers and communications. Rozpr hydrotechn no.12:  
95-97 '62.

1. Technical University, Warsaw (for Wilun). 2. Technical  
University, Wroclaw (for Kisiel). 3. Research Institute of  
Hydraulic Engineering, Polish Academy of Sciences, Gdansk (for  
Kwasniewski, Hückel).

WILUSZ, Zdzislaw

c/1964

1964

ECOLOGY

DECEASED

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

17

WIMMER, K.

CA

Investigation of powders of some underground plant parts. Károly Wimmer (Univ. Budapest). *Ber. ungar. pharm. Ges.* 19, 804-14 (1943); *Chem. Zentr.* 1944, II, 244.

A no. of powdered drugs were examd. microscopically and microchemically. Characteristic principles, contaminants, and adulterants are described. The drugs examd. included: Pulp. rhiz. *filix maris*, rhiz. *iridis*, rhiz. *calami*, tuber. *salap.*, bulb. *scillae*, rad. *Liquiritiae*, rad. *Ratanhiae*, rad. *Gentianae*, rad. *Valerianae*, rad. *Specacuanhae*, rad. *Althaeae*, rhiz. *Hydrastis*, rhiz. *Rhei*, and tub. *Jalapae*.

M. G. Moore

COMMON ELEMENTS

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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RECORD #100

WIMMER, I.

Device for measurement and control of depth of respiration in body  
section roentgenography. Magy. radiol. 4 no. 4:184-185 Nov 1952.  
(CJML 24:1)

1. Head Physician.

WIMMER, M.

"Organizing the Work with Prefabricated Housing Constructions." p. 255 (Stavebni Prumysl, Vol. 3, no. 11, June 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

WIMMER, M.

Construction of frame buildings. p. 62. POZEMNI STAVBY.  
(Ministerstvo stavebnictvi) Praha. Vol. 3, no. 2, Feb. 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,  
Vol. 4, No. 12, December 1958.

WIMMER, Miroslav

Meeting of general secretaries of the Scientific Technical Societies  
in Czechoslovakia in 1962. Tech prace 14 no.4:247-249 Ap '62.

1. Vedecky tajemnik Ustredni rady Ceskoslovenske vedecko technicke  
spolecnosti.

WIMMER, Miloslav, nositel Radu prace

International conference of scientists at the 4th Brno Fair. Tech.  
praca 14 no.9:667-672 S '62.

1. Vedecky tajemnik Ustredni rady Ceskoslovenske vedeckotechnicke  
spolecnosti.



WIMMER, Miloslav

The Czechoslovak Scientific Technical Society is the main organizer of the development of science and technology. Tech praca 14 no.10:797-799 '62.

1. Vedecky tajemnik, Ustredni rada Ceskoslovenske vedecko-technicke spolecnosti, Praha.

WIMMER, Miroslav, nositel Radu prace

Looking forward to the 12th Congress of the Communist Party  
of Czechoslovakia. Elektrotechnik 17 no.12:333-334 D '62.

1. Vedecky tajemnik, Ceskoslovenska vedecko-technicka  
spolecnost, Praha.

WIMMER, Miloslav

Experiment in planning, management, and financing. Tech praca  
16 no.2:91-93 F'64.

Construction of a building by the method of raised floors.  
Ibid.:110-111

1. Vedecky tajemnik, Ustredni rada Ceskoslovenske vedecko-  
technicke spolecnosti.

WIMMER, Miloslav

Quality has priority. Tech praca 16 no. 6:401-403 Ja '64.

Reliability service. Ibid.:416-417

Effect of designer's education on the quality and technological standard of production and products. Ibid.:461-463

1. Scientific Secretary of the Central Council of the Czechoslovak Scientific and Technological Society, Prague.

MACAK, Jiri; WIMMER, Petr; ZACHER, Jan

Analytic evaluation of the acid component of low-temperature tar from Mst lignite, Sbor pal vod VSChT Vol. 5:251-279 '61 [publ. '62].

1. Katedra koksarenstvi a plynarenstvi, Vysoka skola chemicko-technologicka, Praha.

41021

S/058/62/000/009/061/069  
A057/A101

9.4/30  
9.3/20

AUTHORS: Kazoń, Grażyna, Winawer, Irena

TITLE: Activation of silver-magnesium secondary-electron emitters for photomultipliers

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 49, abstract 9-3-97t ("Przegl. elektron.", 1962, v. 3, no. 1, 9 - 11, Polish)

TEXT: Emitters from an Ag-Mg (Ag 98%, Mg 2%) alloy with a coefficient of secondary emission of about 4, working at a 100 - 150 v voltage, are used in the two last stages of the photomultiplier developed in the Przemysl Institute of Electronics (Poland). The activation of the emitters is based on the formation of a magnesium oxide surface layer of  $10^{-5}$  -  $10^{-4}$  cm thickness. The maximum values for the coefficient of secondary emission is attained by oxidation of an Ag-Mg alloy in steam atmosphere. Curves are given which characterize the activation process and are taken under thoroughly controlled conditions in which the influence of side factors was excluded by preliminary washing and protracted heating of samples. A drawback of the silver-magnesium emitters is their low resis-

Card 1/2

Activation of silver-magnesium...

S/058/62/000/009/061/069  
A057/A101

tance to moisture, consequently they change strongly the emission properties during storage in air. Until the installation these emitters have to be stored in exiccators or evacuated ampullas. There are 4 references. [Przemyslowy. Inst. Elektroniki, PNR]

N. S.

[Abstracter's note: Complete translation]

*wydział Lamp Obrazowych, Zakład Doswiadczały  
Przemysłowego Instytutu Elektroniki*

Card 2/2

WIMNICKI, J.

The behavior of petrographic constituents of Polish coals during crushing. p. 166.

KAKS, SMOLA, OAZ. Katowice, Poland Vol. 4, no. 4, July/Aug. 1959.

Monthly List of East European Accession. (EEAI) LG, Vol. 9, no. 1, Jan. 1960

Uncl.



60390

COUVERT : Poland  
 CATEGORIE :  
 ANN. JOUR. : RZKHM., No. 22 1959 No.  
 AUTEUR : Piela, W. and Wincuszkiewicz, A.  
 TITRE : Not given  
 : The Development of Specifications for Kaa Pulp  
 ORIG. PUB. : Przeglad Papiern., 15, No 4, 114-117 (1959)  
 RESUME : The authors have developed specifications for paper pulp made from linen and cotton rags on the basis of analytical data. The classification is based on the types of paper to be made. The specifications developed by the authors will form the basis for future standards.  
 From authors' summary

CARD: 1/1

306

WINCZAKIEWICZ, A.

Fourth contest for the best published book. Przegl papier 20  
no.7:233-234 JI '64

WINCEL H.  
POLAND / Physical Chemistry. Radiochemistry. Isotopes. B

Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70696.

Author : Zielinski, M.; Wincel, H.

Inst : Not given.

Title : Synthesis of Potassium Oxalate and Oxalic  
Acid Labeled with  $\text{Cl}^{14}$ .

Orig Pub: Roczn. chem., 1958, 32, No 5, 1189-1190.

Abstract: In a previously proposed method of synthesizing  $\text{K}_2\text{C}_2\text{O}_4$  (I) labeled with  $\text{Cl}^{14}$  (Long E. A., J. Amer. Chem. Soc., 1939, 61, 570), finely granulated sand (the adsorbent active agent) is replaced by gravel having a grain diameter of 5-7 mm. By the method of reverse isotope dilution, it is established that I, obtained by this method, contains no traces of carbonates. The labeled  $\text{H}_2\text{C}_2\text{O}_4$  (II) was obtained by means of isotope ex-

Card 1/2

POLAND / Physical Chemistry. Radiochemistry. Isotopes. B

- Abs Jour: Ref Zhur-Khimiya, No 20, 1959, 70696.

Abstract: change between inactive II and active I or by means of treating I with inorganic acid, followed by an ether extraction of II. B. Kaplan.

*Monthly List of East European Accessions.  
(EEAI) LC. Vol. 8, no. 7, Jul. '59  
Uncl.*

Card 2/2

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of chemical processes occurring in a selfquenching Geiger-Muller counter filled with long-chain saturated hydrocarbons. Nukleonika 5 no.5:261-279 '60.

1. Warsaw University, Warszawa, Department of Nuclear Chemistry

ZLOTOWSKI, Ignacy; WINCEL, Henryk

Mass spectrometric studies of electron impact fragmentation of ethyl halides. Nukleonika 6 no. 6:409-414. '61

1. Warsaw University, Warszawa, Department of Nuclear Chemistry.

ZLOTOWSKI, Ignacy; POLACZEK, Andrzej; WINCEL, Henryk

A study of the iodine exchange between  $KAlI_4$  and alkyl halides by the method of isotopic tracers. Nukleonika 6 no. 6:415-422. '61

1. Uniwersytet Warszawski, Warszawa, Katedra Chemii Jadrowej.

33736

11.3950  
11.1210  
5.4600

P/046/62/007/001/002/006  
D216/D304

AUTHOR: Wincel, Henryk

TITLE: Mass spectra and primary radiation processes of certain organic substances in the gas phase

PERIODICAL: Nukleonika, v. 7, no. 1, 1962, 25-38

TEXT: Using the quasi-equilibrium theory of H. Eyring and his associates the author calculated the distribution of unimolecular decomposition products of irradiated methane and ethane, and G-values for the methane products. The time interval used in the calculations was the average time between gas molecule collisions at atmospheric pressure  $10^{-10}$  sec. The activation energies of the possible unimolecular reactions were estimated from appearance potentials or thermochemical calculations as given by F.N. Field and J.L. Franklin and M. Krauss, A.L. Wahrhaftig and H. Eyring. The mass spectrum for methane was calculated using the expression Eq.(3)

$P(E) = e^{-\frac{\mathcal{I}}{2} \left( \frac{E}{\bar{\epsilon}} \right)^2}$  with  $P(E)=0$  from 5-10 eV,  $\bar{\epsilon}$  being the average excitation energy. For ethane,  $P(E) = 1$  for  $0 < E < 6.6$  eV and  $= 0$  for Card (1/4)



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P/046/62/007/001/002/006  
D216/D304

Mass spectra and primary ...

$E \gg 6.6$  eV. The calculated relative abundances of unimolecular decomposition products in both cases differ considerably from experimental data, indicating that bimolecular ion-molecule reactions complicate the distribution obtained from experimental mass spectra. The author now assumes that primary products undergo bimolecular reactions in collisions with molecules of the parent substance, and that these reactions occur at every ion-molecule collision. It is shown that, taking this into account, the ion ratios  $\text{CH}_5^+/\text{C}_2\text{H}_5^+$ ,  $\text{CH}_5^+/\text{C}_2\text{H}_4^+$ , and  $\text{C}_2\text{H}_5^+/\text{C}_2\text{H}_4^+$  calculated for methane are in satisfactory agreement with experimental data. All these ions have high yields, and greater deviations were found for the low yield products. Considering radical and atom reactions, only the  $\text{CH}_5^+$  ion is assumed to decompose on neutralization. It is shown that in addition to recombination and disproportionation reactions, in which free radicals and hydrogen atoms take part, the reaction of hydrogen with methane must be considered; the reaction of free radicals with the methane may, however, be neglected. From all the possible reactions, the results were calculated, taking  $W=27.3$  eV/ion pair. The statistical method used by J.H.

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33736

P/046/62/007/001/002/006

D216/D304

Mass spectra and primary ...

Futrell and C.D. Wagnet and kinetic data of C.A. Heller, S. Rabinovitch et al. J.A. Kerr and A.F. Trotman-Dickenson and K.J. Ivin and E.W. R. Steacie were employed in the calculations. Comparison with the experimental results is difficult due to the differences of methods and dependence of the degree of conversion of the parent substance. The results of G.J. Mains and A.S. Newton were used and the relative G-values were compared with the relative experimental yields of the appropriate products. Good agreement is obtained, supporting the method of radiolysis proposed by the author, and indicating the possible value of the quasi-equilibrium theory. The author thanks Professors I. Zlotowski, S. Minc, and Doctor Kecki. There are 2 figures, 7 tables and 44 references: 4 Soviet-bloc and 40 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: J.H. Futrell. J. Phys. Chem., 64, 1634, 1960; A. Korf, E.M. Eyring, A.L. Wahrhaftig, H. Eyring: J. Chem. Phys. 32, 149, 1960; E.M. Eyring, A.L. Wahrhaftig: J. Chem. Phys., 34, 23, 1961; G.J. Mains, A.S. Newton, J. Phys. Chem., 65, 212, 1961.

Card 3/4

33736

P/046/62/007/001/002/006  
D216/D304

Mass spectra and primary ...

ASSOCIATION: Institute of Nuclear Research, Warsaw, Department of  
Radiation Chemistry

SUBMITTED: November, 1961

✓

Card 4/4

WINGEL, Henryk

Mass spectra and primary radiation processes of certain organic substances in gas phase. Nukleonika 7 no.1:25-38 '62.

1. Institute of Nuclear Research, Warszawa, Department of Radiation Chemistry

KECKI, Zbigniew; WINCEL, Henryk

Determination of radiation yield of hydrogen by the gas chromatography method. Nukleonika 7 no.3:169-174 '62.

1. Polish Academy of Sciences, Institute of Nuclear Research, Department of Radiation Chemistry, Warsaw.

S/081/63/000/001/022/061  
B144/B186

AUTHORS: Zagórski, Zbigniew, P., Kęcki, Zbigniew, Wincel, Henryk

TITLE: Determination of radiation yields in the two-phase system of  $O_2(\text{gas})-H_2O, NaOH, Na_2SO_3(\text{liquid})$ . I.

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 88, abstract 1B611 (Rept. Inst. badań jądrow. PAN, 1961, N 290/ChR, 7 pp., ill. [Eng.; summaries in Pol. and Russ.] )

TEXT: The yields of  $G(-SO_3^{2-})$ ,  $G(-O_2)$ , and  $G(H_2)$  were determined in the two-phase system: gaseous  $O_2$  - 0.066 M  $Na_2SO_3$  solution - 1 M NaOH under the effect of  $Co^{60}$   $\gamma$ -irradiation.  $G(H_2) = 0.44 \pm 0.02$ ,  $G(-SO_3^{2-})$  and  $G(-O_2)$  decrease when the dose increases,  $G(-SO_3^{2-})/G(-O_2) \approx 2$ . [Abstracter's note: Complete translation.]

Card 1/1

ACCESSION NR: AP3003624

P/0046/63/008/002/0117/0127

AUTHOR: Kecki, Zbigniew; Wincel, Henryk

TITLE: Primary processes of radiation chemistry as studied by mass spectrometry. I. Fragmentation of tetrahydronaphthalene on electron impact

SOURCE: Nukleonika, v. 8, no. 2, 1963, 117-127

TOPIC TAGS: tetrahydronaphthalene electron fragmentation, electron impact fragmentation, tetrahydronaphthalene, tetrahydronaphthalene fragmentation, radiolysis metastable ion, radiolysis primary process, molecular fragmentation

ABSTRACT: A mass-spectrometric investigation of the fragmentation of tetrahydronaphthalene under electron impact has been carried out. "Pure" grade domestic tetrahydronaphthalene was dried and purified in a column of 15 theoretical plates. The fraction used had a boiling point of 207°C at 754 mm Hg. Gas chromatography and mass spectrometry analysis showed the presence of about 0.5% decahydronaphthalene.

"Analytical" grade domestic toluene was used without extra purification, as gas chromatography revealed no impurities. Both substances  
Card 1/2

ACCESSION NR: AP3003624

were deacrated by several freezing and pumping cycles in vacuum before being introduced into the ion source of the mass spectrometer. The mass spectra were recorded by a 60° Soviet mass spectrometer (designated MI-1305) with a gas ion source. Metastable ions were observed, the apparent masses of which were used to establish a fragmentation scheme of tetrahydronaphthalene under electron impact. Large quantities of  $C_nH_n^+$  ions were observed. The  $C_8H_8^+$  ions and  $C_7H_7^+$  ions observed had a cyclic form and decomposed in the same way as similar ions produced from other organic substances. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Institute of Nuclear Research, Department of Radiation Chemistry, Warsaw, Poland

SUBMITTED: 18Oct62

DATE ACQ: 19Jul63

ENCL: 00

SUB CODE: CH,PH

NO REF SOV: 001

OTHER: 034

Card 2/2



WINCEL, Henryk; KECKI, Zbigniew

Primary processes in radiation chemistry as studied by mass spectrometry. Pt. 2. Nukleonika 8 no.4:215-223 '63.

1. Institute of Nuclear Research, Department of Radiation Chemistry, Warsaw 9.

WINCEL, Henryk; KECKI, Zbigniew

Primary processes in radiation chemistry as studied by mass spectrometry. Pt.3. Nukleonika 8 no.8:529-543 '63.

1. Department of Radiation Chemistry, Institute of Nuclear Research, Warsaw.

L 20588-66 EWP(j)/EWA(h) RM

ACC NR: AP6012010

SOURCE CODE: PO/0046/65/010/09-/0567/0573

AUTHOR: Wincel, Henryk~~Vintsel~~<sup>19</sup>, G.; Kecki, Zbigniew~~Kentskiy~~, Z. 35  
B

ORG: Department of Radiation Chemistry, Institute of Nuclear Research, Warsaw-Zeran

TITLE: Primary processes in radiation chemistry as studied by mass spectrometry. IV. Ion-molecule reactions in tetrahydronaphthalene

SOURCE: Nukleonika, v. 10, no. 9-10, 1965, 567-573

TOPIC TAGS: radiation chemistry, mass spectrometer

ABSTRACT: Ion-molecule reactions in which neutral and ionized molecules of tetrahydronaphthalene take part were investigated with a mass spectrometer. Relative cross-section values of individual reactions were determined and the reactions occurring in the radiolysis process of tetrahydronaphthalene in the liquid phase are discussed. Orig. art. has: 2 figures, 7 formulas, and 3 tables. NA

SUB CODE: 07 / SUM DATE: 19Jun65 / ORIG REF: 005

Card 1/1 *BK*

L 33005-66 EWP(j) RM

ACC NR: AP602/167

SOURCE CODE: PO/0046/65/010/012/0753/0764

AUTHOR: Wincel, H.--Vintsel', G.; Keckl, Zbigniew--Kentski, Z. 47  
B

ORG: Department of Radiation Chemistry, Institute of Nuclear Research, Warsaw-Zeran

TITLE: Primary processes in radiation chemistry as studied by mass spectrometry.  
V. Excited and superexcited states in the radiolysis of tetrahydronaphthalene

SOURCE: Nukleonika, v. 10, no. 12, 1965, 753-764

TOPIC TAGS: radiation chemistry, mass spectrometry, excited state, chemical decomposition, recombination reaction

ABSTRACT: The formation of ions and excited molecules in the initial stage of radiolysis of tetrahydronaphthalene was analyzed. Their yields were determined to be:  $G(C_{10}H_8^+)=4.0$  and  $G(C_{10}H_7^+)=4.3$ . The possibility of formation of excited and superexcited molecules in the recombination process and the transformations of these molecules are discussed. The yields of products of the transformations were evaluated. The authors thank Professor, Doctor Stefan Mine for his guidance and interest in this work. Orig. art. has: 8 formulas and 2 tables. [Orig. art. in Eng.] [NA]

SUB CODE: 07 / SUBM DATE: 14Oct65 / ORIG REF: 008 / SOV REF: 005  
OTH REF: 032

Card 1/1 *pla*